

INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449	Docket Number	Application Number
	23453-009	09/321,743
	Applicant(s)	
	Lee C. HAROLD <i>et al.</i>	
	Filing Date	Group Art Unit
	May 28, 1999	2176

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
25	1A	4,156,868	05/29/79	Levinson			
	1B	4,554,418	11/01/85	Toy			
	1C	4,757,525	07/12/88	Matthews et al.			
	1D	4,788,643	11/29/88	Trippe et al.			
	1E	4,811,379	03/07/89	Grandfield			
	1F	4,812,843	03/14/89	Champion, III et al.			
	1G	4,837,798	06/06/89	Cohen et al.			
	1H	4,868,866	09/19/89	Williams, Jr.			
	1I	4,941,168	07/10/90	Kelly, Jr.			
	1J	4,942,616	07/17/90	Linstroth et al.			
	1K	4,953,085	08/28/90	Atkins			
	1L	4,972,504	11/20/90	Daniel, Jr. et al.			
	1M	4,989,141	01/29/91	Lyons et al.			
	1N	5,021,953	06/04/91	Webber et al.			
	1O	5,101,352	03/31/92	Rembert			
	1P	5,128,861	07/07/92	Kagami et al.			
	1Q	5,168,445	12/01/92	Kawashima et al.			
	1R	5,187,735	02/16/93	Herrero Garcia et al.			
	1S	5,189,608	02/23/93	Lyons et al.			
	1T	5,204,821	04/20/93	Inui et al.			
	1U	5,214,689	05/25/93	O'Sullivan			
	1V	5,235,680	08/10/93	Bijnagete			
25	1W	5,237,499	08/17/93	Garback			

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	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
							YES	NO
25	1X	0878948	11/18/98	Europe				
25	1Y	0889627	01/07/99	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

25	1Z	Relational OLAP Server, MicroStrategy; DSS Server Brochure, 1996.					
25	1AA	"Andyne Introduces Greater Flexibility for Database Queries; New Query Management Option Provides Enhanced Management for Enterprise-Wide Queries," <i>Business Wire</i> , January 3, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .					
25	1BB	CATALANO, Carla, "OLAP, Scheduling, Tuning for DBMSs," <i>Computer World</i> , April 1, 1996. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .					
25	1CC	Andyne's Intranet Strategy Brings DSS to the Web; Company Aims to Dramatically Broaden Scope of Reporting, Online Analysis," <i>PR Newswire</i> , September 18, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .					
25	1DD	SACHS et al., "A First Step on the Path to Automated Flight Reservations," <i>Interactive Voice Technology for Telecommunications</i> , 1996.					

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<i>HA</i>	2A	5,270,922	12/14/93	Higgins			
	2B	5,371,787	12/06/94	Hamilton			
	2C	5,404,400	04/04/95	Hamilton			
	2D	5,406,626	04/11/95	Ryan			
	2E	5,444,768	08/22/95	Lemaire <i>et al.</i>			
	2F	5,479,491	12/26/95	Herrero Garcia <i>et al.</i>			
	2G	5,500,793	03/19/96	Deming, Jr <i>et al.</i>			
	2H	5,502,637	03/26/96	Beaulieu <i>et al.</i>			
	2I	5,524,051	06/04/96	Ryan			
	2J	5,555,403	09/10/96	Cambot <i>et al.</i>			
	2K	5,572,643	11/05/96	Judson			
	2L	5,572,644	11/05/96	Liaw <i>et al.</i>			
	2M	5,576,951	11/19/96	Lockwood			
	2N	5,577,165	11/19/96	Takebayashi <i>et al.</i>			
	2O	5,590,181	12/31/96	Hogan <i>et al.</i>			
	2P	5,604,528	02/18/97	Edwards <i>et al.</i>			
	2Q	5,630,060	05/13/97	Tang <i>et al.</i>			
	2R	5,638,424	06/10/97	Denio <i>et al.</i>			
	2S	5,638,425	06/10/97	Meador, III <i>et al.</i>			
	2T	5,664,115	09/02/97	Fraser			
	2U	5,689,650	11/18/97	McClelland <i>et al.</i>			
	2V	5,701,451	12/23/97	Rogers <i>et al.</i>			
<i>HA</i>	2W	5,706,442	01/06/98	Anderson <i>et al.</i>			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>HA</i>	2X	BENNACEF <i>et al.</i> , "Dialog in the RAILTEL Telephone-Based System," <u>Spoken Language</u> , 1996
<i>HA</i>	2Y	BROOKS, Peter, "Targeting Customer," DBMS, v9, n13, December 1996, pages 54-58.
<i>HA</i>	2Z	"Sterling Software Announces Alliance with Thinking Machines," Business Wire, December 16, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .
<i>HA</i>	2AA	GUPTA <i>et al.</i> , "Index Selection for OLAP," <u>Proceedings of the 13th International Conference on Data Engineering</u> , © 1997
<i>HA</i>	2BB	HO <i>et al.</i> , "Partial-Sum Queries in OLAP Data Cubes Using Covering Codes," <u>PODS'97 Tucson, AZ USA</u>
<i>HA</i>	2CC	KILMARTIN <i>et al.</i> , "Real Time Stock Price Distribution Utilising the GSM Short Messaging Service," 1997 IEEE International Conference on Personal Wireless, 1997, Abstract.

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	3X	Data Warehousing: Data Access and Delivery, Infobase Technology Database, 1997, http://www.dbaint.com/oldinfobase/dwaccdel.html .
	3Y	GARDNER, Dana Marie, "Cashing in With Data Warehouses and the Web," Data Based Advisor, v15, n2, February 1997, pages 60-63.
	3Z	Intrepid Systems Announces General Availability of DecisionMaster 4.1; Retailing's Premier Decision Support Software Enhancements Automate Information Delivery," Business Wire, May 27, 1997. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .
	3AA	Blue Isle Software InTouch/2000 Product Overview, Blue Isle Software, Inc. (archived July 7, 1997), http://www.blueisle.com . Available in Internet Archive Waybackmachine http://www.archive.org .

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<i>H</i>	4A	5,771,172	06/23/98	Yamamoto et al.			
	4B	5,771,276	06/23/98	Wolf			
	4C	5,781,735	07/14/98	Southard			
	4D	5,781,886	07/14/98	Tsujiuchi			
	4E	5,787,151	07/28/98	Nakatsu et al.			
	4F	5,787,278	07/28/98	Barton et al.			
	4G	5,790,936	08/04/98	Dinkins			
	4H	SIR H1743	08/04/98	Graves <i>et al.</i>			
	4I	5,793,980	08/11/98	Glaser et al.			
	4J	5,794,246	08/11/98	Sankaran et al.			
	4K	5,797,124	08/18/98	Walsh et al.			
	4L	5,799,063	08/25/98	Krane			
	4M	5,799,156	08/25/98	Hogan et al.			
	4N	5,802,488	09/01/98	Edatsune			
	4O	5,802,526	09/01/98	Fawcett et al.			
	4P	5,806,050	09/08/98	Shinn et al.			
	4Q	5,809,415	09/15/98	Rossmann			
	4R	5,809,483	09/15/98	Broka et al.			
	4S	5,819,220	10/06/98	Sarukkai et al.			
	4T	5,819,293	10/06/98	Comer et al.			
	4U	5,825,856	10/20/98	Porter et al.			
	4V	5,832,451	11/03/98	Flake et al.			
<i>et</i>	4W	5,838,252	11/17/98	Kikinis			

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<i>H</i>	4X	"Blue Isle Software Teams with Arbor Software to Deliver Automated Systems Management Capabilities for Arbor Essbase," <u>Business Wire</u> , October 29, 1997. Available in LEXIS, Nexis Library, ALLNWS file.
<i>H</i>	4Y	"Early Warning: Compulogic's Dynamic Query Messenger," <u>Software Futures</u> , November 1, 1997. Available in LEXIS, Nexis Library, ALLNWS file.
<i>H</i>	4Z	KILMARTIN <i>et al.</i> , "Development of an Interactive Voice Response System for a GSM SMS Based Share Price Server," DSP '97 Conference Proceedings, December 1997, Abstract.
<i>H</i>	4AA	AVNUR <i>et al.</i> , "CONTROL: Continuous Output and Navigation Technology with Refinement On-Line," © 1998

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M	5A	5,838,768	11/17/98	Sumar et al.			
	5B	5,848,397	12/08/98	Marsh et al.			
	5C	5,850,433	12/15/98	Rondeau			
	5D	5,852,811	12/22/98	Atkins			
	5E	5,854,746	12/29/98	Yamamoto et al.			
	5F	5,864,827	01/26/99	Wilson			
	5G	5,864,828	01/26/99	Atkins			
	5H	5,867,153	02/02/99	Grandcolas et al.			
	5I	5,870,454	02/09/99	Dahlen			
	5J	5,870,724	02/09/99	Lawlor et al.			
	5K	5,870,746	02/09/99	Knutson et al.			
	5L	5,872,926	02/16/99	Levac et al.			
	5M	5,878,403	03/02/99	DeFrancesco et al.			
	5N	5,884,262	03/16/99	Wise et al.			
	5O	5,884,266	03/16/99	Dvorak			
	5P	5,884,285	03/16/99	Atkins			
	5Q	5,884,312	03/16/99	Dustan et al.			
	5R	5,890,140	03/30/99	Clark et al.			
	5S	5,893,905	04/13/99	Main et al.			
	5T	5,907,598	05/25/99	Mandalia et al.			
5U	5,907,837	05/25/99	Ferrel et al.				
5V	5,911,135	06/08/99	Atkins				
5W	5,911,136	06/08/99	Atkins				

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M	5X	LIANG et al., "Computing Multidimensional Aggregates in Parallel," 1998 International Conference on Parallel and Distributed Systems, IEEE				
M	5Y	FRIEL et al., "An Automated Stock Price Delivery System Based on the GSM Short Message Service, ICC'98 1998 IEEE International Conference on Communications, 1998, Abstract.				
M	5Z	"Information Advantage Wins Product of the Year Award for Knowledge Management," Business Wire, March 4, 1998. Available in LEXIS, Nexis Library, ALLNWS file.				
M	5AA	EMIGH, Jacqueline, "Information Builders, Inc. Launches WebFocus Suit," Newbytes, March 10, 1998. Available in Northern Light, http://www.northernlight.com , Doc. ID BS19980311010000172.				

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<i>Rand M</i>	8/30/03
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<i>AK</i>	6A	5,913,202	06/15/99	Motoyama			
	6B	5,914,878	06/22/99	Yamamoto et al.			
	6C	5,915,001	06/22/99	Uppaluru			
	6D	5,915,238	06/22/99	Tjaden			
	6E	5,918,217	06/29/99	Maggioncalda et al.			
	6F	5,918,225	06/29/99	White et al.			
	6G	5,918,232	06/29/99	Pouschine et al.			
	6H	5,920,848	07/06/99	Schutzer et al.			
	6I	5,923,736	07/13/99	Shachar			
	6J	5,924,068	07/13/99	Richard et al.			
	6K	5,926,789	07/20/99	Barbara et al.			
	6L	5,931,900	08/03/99	Notani et al.			
	6M	5,933,816	08/03/99	Zeanah et al.			
	6N	5,940,818	08/17/99	Malloy et al.			
	6O	5,943,399	08/24/99	Bannister et al.			
	6P	5,943,410	08/24/99	Shaffer et al.			
	6Q	5,945,989	08/31/99	Freishtat et al.			
	6R	5,946,666	08/31/99	Nevo et al.			
	6S	5,948,040	09/07/99	DeLorme et al.			
	6T	5,950,165	09/07/99	Shaffer et al.			
	6U	5,953,392	09/14/99	Rhie et al.			
	6V	5,956,693	09/21/99	Geerlings et al.			
	6W	5,960,437	09/28/99	Krawchuk et al.			

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<i>AK</i>	6X	MICROSTRATEGY: DSS Broadcaster - The Industry's First Information Broadcast Server, M2 Presswire, March 20, 1998. Available in DOW JONES INTERACTIVE http://www.djinteractive.com
<i>AK</i>	6Y	MICROSTRATEGY: DSS Broadcaster - The Industry's First Information Broadcast Server, March 23, 1998. http://strategy.com/newsandevent/New/PressRelease/1998/broadcaster.htm .
<i>AK</i>	6Z	"MSNBC on the Internet Launches New Traffic Section; MSNBC.com and Sidewalk.com Team with TrafficStation for Production of Comprehensive Site for Drivers," <i>Financial News</i> , Redmond, Wash., April 15, 1998.
<i>AK</i>	6AA	"System for Telephone Access to Internet Applications - Uses Dial Tones and/or Voice with Interactive Voice Response Unit to Pass Request to Processor that Converts Requests to Communication Protocol Command Set," IBM, Patent No. RD 98412088. July 20, 1998, Abstract.

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<i>LL</i>	7A	5,963,641	10/05/99	Crandall et al.			
	7B	5,970,122	10/19/99	LaPorta et al.			
	7C	5,970,124	10/19/99	Csaszar et al.			
	7D	5,974,406	10/26/99	Bisdikian et al.			
	7E	5,978,766	11/02/99	Luciw			
	7F	5,978,796	11/02/99	Malloy et al.			
	7G	5,983,184	11/09/99	Noguchi			
	7H	5,991,365	11/23/99	Pizano et al.			
	7I	5,995,945	11/30/99	Notani et al.			
	7J	5,996,006	11/30/99	Speicher			
	7K	5,999,526	12/07/99	Garland et al.			
	7L	6,003,009	12/14/99	Nishimura			
	7M	6,009,383	12/28/99	Mony			
	7N	6,011,579	01/04/00	Newlin			
	7O	6,012,066	01/04/00	Discount et al.			
	7P	6,012,083	01/04/00	Savitzky et al.			
	7Q	6,014,427	01/11/00	Hanson et al.			
	7R	6,014,428	01/11/00	Wolf			
	7S	6,014,429	01/11/00	LaPorta et al.			
	7T	6,016,335	01/18/00	Lacy et al.			
	7U	6,016,336	01/18/00	Hanson			
	7V	6,016,478	01/18/00	Zhang et al.			
	7W	6,018,710	01/25/00	Wynblatt et al.			
	7X	6,021,181	02/01/00	Miner et al.			
<i>LL</i>	7Y	6,021,397	02/01/00	Jones et al.			

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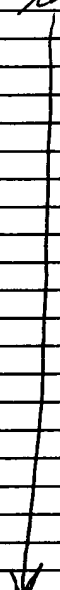
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<i>LL</i>	TZ	Computer Telephony, from www.telecomlibrary.com - 9/9/99
<i>LL</i>	7AA	"Traffic Station Extends Service to Six New Markets in North America, Reaching its Goal of 20 Markets by the New Millennium," <u>Business Editors/Multimedia & Transportation Writers</u> , Los Angeles, December 23, 1999.
<i>LL</i>	7BB	Traffic Station Corporate Information, http://www.trafficstation.com/home/corporate.html , January 10, 2001.
<i>LL</i>	7CC	Newswire, "Net Phones to Outsell Laptops by 2002", 02 December 1998, Dialog File #03635692.
<i>LL</i>	7DD	RCR Radio Communications Report, "Comverse Developing Unified Applications for GSM Smartphone Marketplace", 23 February 1998, V. 17, No. 8, page 106, Dialog File #02078693.

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	8A	6,023,714	02/08/00	Hill et al.			
	8B	6,026,087	02/15/00	Mirashrafi et al.			
	8C	6,031,836	02/29/00	Haserodt			
	8D	6,038,561	03/14/00	Snyder et al.			
	8E	6,047,327	04/04/00	Tso et al.			
	8F	6,055,513	04/25/00	Katz et al.			
	8G	6,064,980	05/16/00	Jacobi et al.			
	8H	6,094,651	07/25/00	Agrawal et al.			
	8I	6,094,655	07/25/00	Rogers et al.			
	8J	6,101,241	08/08/00	Boyce et al.			
	8K	6,101,443	08/08/00	Kato et al.			
	8L	6,101,473	08/08/00	Scott et al.			
	8M	6,115,693	09/05/00	McDonough et al.			
	8N	6,119,095	09/12/00	Morita			
	8O	6,151,582	11/21/00	Huang et al.			
	8P	6,151,601	11/21/00	Papierniak et al.			
	8Q	6,154,527	11/28/00	Porter et al.			
	8R	6,154,766	11/28/00	Yost et al.			
	8S	6,167,379	12/26/00	Dean et al.			
8T	6,167,383	12/26/00	Henson				
8U	6,173,310	01/09/01	Yost et al.				
8V	6,181,935	01/30/01	Gossman et al.				
8W	6,182,052	01/30/01	Fulton et al.				

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449	Docket Number	Application Number
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	Applicant(s)	
	Lee C. HAROLD <i>et al.</i>	
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